



CENIA,  
česká informační agentura životního prostředí

[www.cenia.cz](http://www.cenia.cz)

# INSPIRE

## Česká republika ve srovnání se zeměmi EU

Jitka Faugnerová

ESRI konference, Praha, 8.11.2017

# INfrastructure for SPatial INfoRmation in Europe



<https://youtu.be/cxPVs97kOmk>

## Směrnice 2007/2/ES

- Směrnice o infrastruktuře pro prostorová data, která mají sloužit k tvorbě politik životního prostředí v Evropské unii
- Týká se velkého množství dat, které mohou mít vliv na životní prostředí, není to směrnice jen o datech životního prostředí



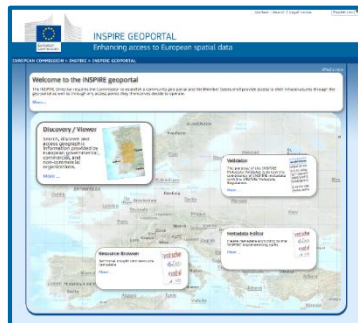
**Zákon 123/1998 Sb., o právu na informace  
o životním prostředí**

# Jak o nás v EU vědí?

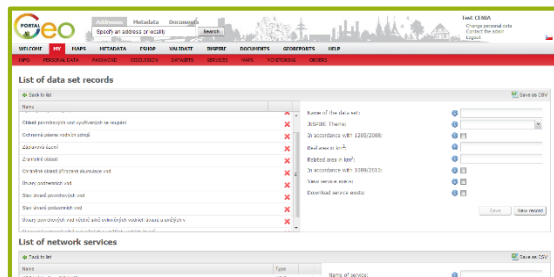


<http://geoportal.gov.cz/>

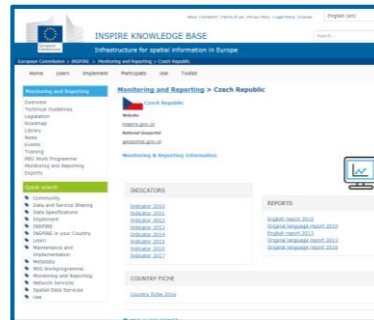
CSW



<http://inspire-geoportal.ec.europa.eu/>



Povinnost plnění monitoringu



<https://inspire.ec.europa.eu/mr/CZ/69>



Reporting



Evropská unie

# Co je sledováno?

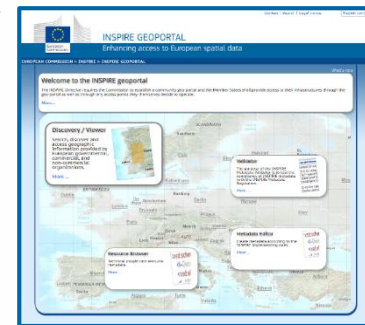
- Statické informace

- Koordinace a její fungování
- Dohody o sdílení dat
- Náklady a přínosy



- Dynamické informace

- Identifikace datových sad
- Dokumentace dat (metadata)
- Dostupnost dat prostřednictvím síťových služeb
- Interoperabilita dat



# Koordinace

Ensure effective coordination			
MS	Overall implementation status and trend	Outlook	Dashboard Legend
AT	🟢 ↗	🟢	<b>Implementation Status:</b> 🟢: implementation of this provision is well advanced or nearly completed. Outstanding issues are minor and can be addressed easily. 🟡: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020. 🟠: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.  <b>Trend:</b> ↗: the trend of the implementation is positive. →: the trend of the implementation is neutral. ↘: the trend of the implementation is negative.  <b>Outlook:</b> 🟢: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way. 🟡: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook. 🟠: no actions have been identified to overcome identified implementation gaps.
BE	🟢 ↗	🟢	
BG	🟡 →	🟢	
HR	🟡 →	🟢	
CY	🟠 ↘	🟢	
CZ	🟢 ↗	🟢	
DK	🟠 ↘	🟢	
EE	🟡 ↗	🟢	
FI	🟢 ↗	🟢	
FR	🟢 →	🟢	
DE	🟢 ↗	🟢	
EL	🟡 →	🟢	
HU	🟡 →	🟢	
IE	NA	NA	
IT	🟡 ↗	🟢	
LV	🟢 ↗	🟢	
LT	🟢 ↗	🟢	
LU	🟢 ↗	🟢	
MT	🟢 ↗	🟢	
NL	🟢 ↗	🟢	
PL	🟢 ↗	🟢	
PT	🟢 ↗	🟢	
RO	🟡 →	🟢	
SK	🟢 ↗	🟢	
SI	🟢 ↗	🟢	
ES	🟢 ↗	🟢	
SE	🟢 ↗	🟢	
UK	🟢 ↗	NA	

## Koordinační výbor pro INSPIRE (KOVIN)

Vedení:  Ministerstvo životního prostředí České republiky

22 členů

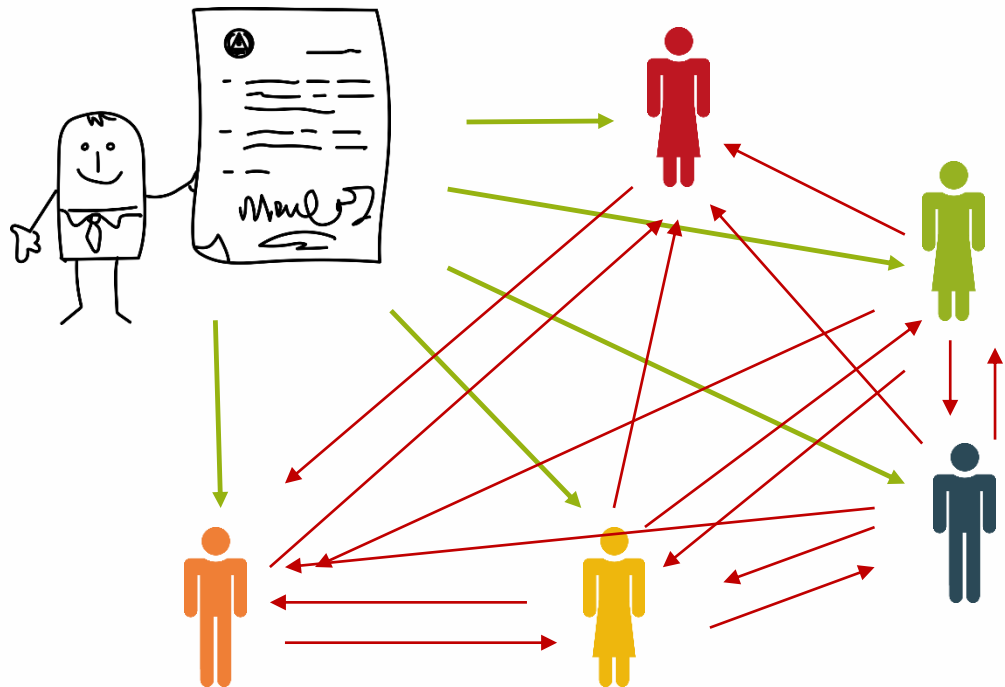
Schůzky 2-4 x ročně

Technické pracovní skupiny



# Sdílení dat

Data sharing without obstacles			
MS	Overall implementation status and trend	Outlook	Dashboard Legend
AT	🟢➡️	🟢	<b>Implementation Status:</b> 🟢: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily. 🟡➡️: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020. 🟡➡️: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.
BE	🟢➡️	🟢	
BG	🟡➡️	🟡	
HR	🟡➡️	🟡	
CZ	🟡➡️	🟢	
DK	🟢➡️	🟢	
EE	🟢➡️	🟢	
FI	🟡➡️	🟢	
FR	🟢➡️	🟢	
DE	🟢➡️	🟢	
EL	🟡➡️	🟢	<b>Trend:</b> ➡️: the trend of the implementation is positive. ➡️: the trend of the implementation is neutral. ↘️: the trend of the implementation is negative.
HU	🟡➡️	🟡	
IE	NA	NA	
IT	🟡➡️	🟢	
LV	🟢➡️	🟢	
LT	🟢➡️	🟢	
LU	🟢➡️	🟢	
MT	🟢➡️	🟢	
NL	🟢➡️	🟢	
PL	🟢➡️	🟢	
PT	🟢➡️	🟢	<b>Outlook:</b> 🟢: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way. 🟡: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook. 🟡: no actions have been identified to overcome identified implementation gaps.
RO	🟡➡️	🟡	
SK	🟡➡️	🟢	
SI	🟡➡️	🟢	
ES	🟢➡️	🟢	
SE	🟢➡️	🟢	
UK	🟢➡️	NA	



# Identifikace dat k INSPIRE tématům

Identification of spatial datasets			Dashboard Legend
MS	Overall implementation status and trend	Outlook	
AT			<b>Implementation Status:</b> : implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily. : implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020. : implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap. <b>Trend:</b> : the trend of the implementation is positive. : the trend of the implementation is neutral. : the trend of the implementation is negative. <b>Outlook:</b> : clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way. : No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook. : no actions have been identified to overcome identified implementation gaps.
BE			
BG			
HR			
CY			
CZ			
DK			
EE			
FI			
FR			
DE			
EL			
HU			
IE	NA	NA	
IT			
LV			
LT			
LU			
MT			
NL			
PL			
PT			
RO			
SK			
SI			
ES			
SE			
UK		NA	

- souřadnicové referenční systémy
- zeměpisné názvy souřadnicových sítí
- zeměpisné názvy
- správní jednotky
- adresy
- katastrální parcely
- dopravní sítě
- vodopis
- chráněná území
- nadmořská výška
- ortofotosnímky
- geologie
- krajinný pokryv
- statistické jednotky
- budovy
- půda
- využití území
- lidské zdraví a bezpečnost
- veřejné služby a služby veřejné správy
- zařízení pro sledování ŽP
- výrobní a průmyslová zařízení
- zemědělská a akvakulturní zařízení
- rozložení obyvatelstva – demografie
- správní oblasti, chráněná pásma, regulovaná území a jednotky podávající hlášení
- oblasti ohrožené přírodními riziky
- zeměpisné meteorologické prvky
- zeměpisné názvy
- bioregiony
- stanoviště a biotopy
- rozložení druhů
- energetické zdroje
- nerostné suroviny

# Metadata – existence a jejich soulad

Documentation of datasets and services (metadata)			Dashboard Legend
MS	Overall implementation status and trend	Outlook	
AT	🟢📈	🟢	
BE	🟢📈	🟢	
BG	🟡📈	🟢	
HR	🟢📈	🟢	
CY	🔴📉	🔴	
CZ	🟢📈	🟢	
DK	🟢📈	🟢	
EE	🟢📈	🟢	
FI	🟡📈	🟢	
FR	🟢📈	🟢	
DE	🟢📈	🟢	
EL	🟡📉	🟢	
HU	🟡📈	🟢	
IE	NA	NA	
IT	🟢📈	🟢	
LV	🟡📈	🟢	
LT	🟢📈	🟢	
LU	🟢📈	🟢	
MT	🟢📈	🟢	
NL	🟢📈	🟢	
PL	🟢📈	🟢	
PT	🟢📈	🟢	
RO	🟡📉	🟡	
SK	🟡📈	🟢	
SI	🟢📈	🟢	
ES	🟡📈	🟢	
SE	🟢📈	🟢	
UK	🟢📈	NA	

**Implementation Status:**

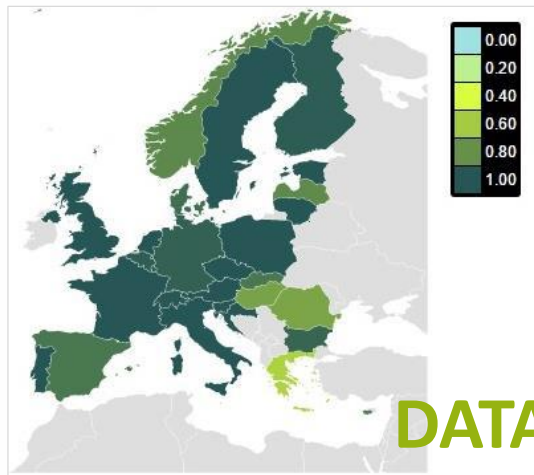
- 🟢: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.
- 🟡: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020.
- 🔴: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.

**Trend:**

- 📈: the trend of the implementation is positive.
- ➡️: the trend of the implementation is neutral.
- 📉: the trend of the implementation is negative.

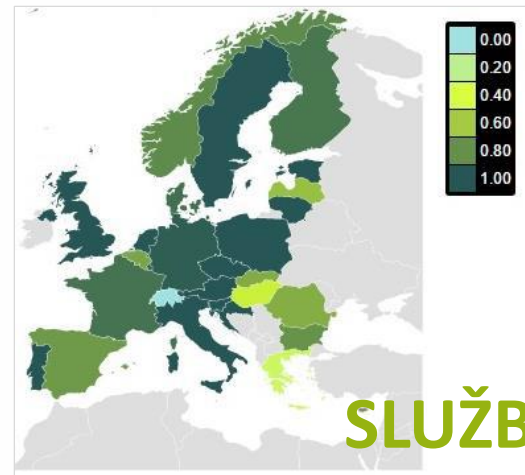
**Outlook:**

- 🟢: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way.
- 🟡: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook.
- 🔴: no actions have been identified to overcome identified implementation gaps.



DATA

Dostupnost metadat k datům vč. jejich souladu



SLUŽBY

Dostupnost metadat k službám vč. jejich souladu

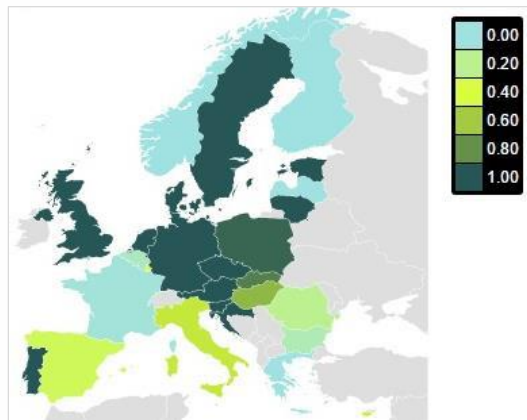


# Dostupnost dat – tedy služby

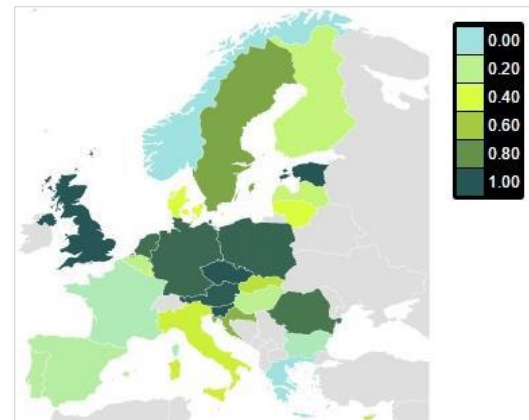
Provision of services for identified spatial datasets (discovery, view, download)			
MS	Overall implementation status and trend	Outlook	Dashboard Legend
AT	🟢➡	🟢	<b>Implementation Status:</b> 🟢: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily. 🟡: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020. 🟠: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.  <b>Trend:</b> ➡: the trend of the implementation is positive. →: the trend of the implementation is neutral. ↘: the trend of the implementation is negative.  <b>Outlook:</b> 🟢: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way. 🟡: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook. 🟠: no actions have been identified to overcome identified implementation gaps.
BE	🟡➡	🟢	
BG	🟡➡	🟡	
HR	🟡➡	🟡	
CY	🟡➡	🟢	
CZ	🟢➡	🟢	
DK	🟡➡	🟢	
EE	🟡➡	🟢	
FI	🟡➡	🟢	
FR	🟡➡	🟡	
DE	🟢➡	🟢	
EL	🟡➡	🟢	
HU	🟡➡	🟢	
IE	NA	NA	
IT	🟡➡	🟢	
LV	🟡➡	🟢	
LT	🟡➡	🟢	
LU	🟡➡	🟡	
MT	🟡➡	🟢	
NL	🟡➡	🟢	
PL	🟡➡	🟢	
PT	🟡➡	🟡	
RO	🟡➡	🟡	
SK	🟡➡	🟢	
SI	🟡➡	🟢	
ES	🟡➡	🟢	
SE	🟡➡	🟢	
UK	🟡➡	NA	

Dostupnost dat = existence vyhledávací, prohlížeč a stahovací služby

Hodnocení souladu



Vyhledávací služby



Prohlížečské služby

# Dostupnost dat – tedy služby

Provision of services for identified spatial datasets (discovery, view, download)		
MS	Overall implementation status and trend	Outlook
AT	🟡➡️	🟢
BE	🟡➡️	🟢
BG	🟡➡️	🟡
HR	🟡➡️	🟡
CY	🟡➡️	🟢
CZ	🟢➡️	🟢
DK	🟡➡️	🟢
EE	🟡➡️	🟢
FI	🟡➡️	🟢
FR	🟡➡️	🟡
DE	🟡➡️	🟢
EL	🟡➡️	🟢
HU	🟡➡️	🟢
IE	NA	NA
IT	🟡➡️	🟢
LV	🟡➡️	🟢
LT	🟡➡️	🟢
LU	🟡➡️	🟡
MT	🟡➡️	🟢
NL	🟡➡️	🟢
PL	🟡➡️	🟢
PT	🟡➡️	🟡
RO	🟡➡️	🟡
SK	🟡➡️	🟢
SI	🟡➡️	🟢
ES	🟡➡️	🟢
SE	🟡➡️	🟢
UK	🟡➡️	NA

**Implementation Status:**

- 🟢: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.
- 🟡: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020.
- 🟠: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.

**Trend:**

- ➡️: the trend of the implementation is positive.
- ➡️: the trend of the implementation is neutral.
- ⬇️: the trend of the implementation is negative.

**Outlook:**

- 🟢: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way.
- 🟡: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook.
- 🟠: no actions have been identified to overcome identified implementation gaps.

Dostupnost dat = existence vyhledávací, prohlížeč a stahovací služby

The screenshot shows the INSPIRE website interface. On the left, there is a navigation menu with items like 'O INSPIRE', 'Transpozice', 'Implementační pravidla', 'Národní infrastruktura', 'KOVIN', 'INSPIRE se týká i vás', 'Kalendář akcí', 'Související aktivity', and 'Konference Inspiřujeme se'. The main content area features an article titled 'Cena pro AOPK na letošní evropské INSPIRE konferenci!' dated 25. září 2017. To the right of the article is a vertical progress indicator with a scale from 0.00 to 1.00. Below the article is a photo of two people at a podium. On the far right, there is a 'Quality Award Certificate' from Spatineo, awarded to 'Agentura ochrany přírody a krajiny, Czech Republic' for having the best improvement in availability level in the category 'Organizations with up to 100 data holdings in INSPIRE Services - Computational'.

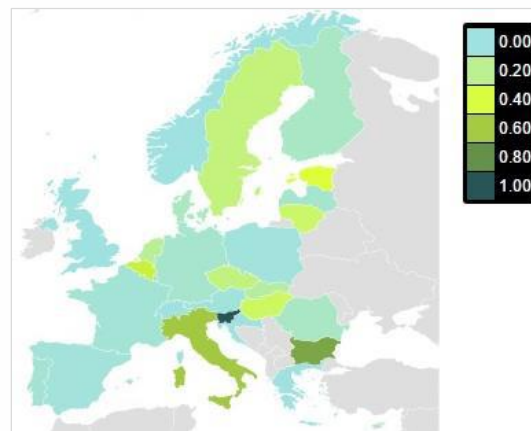
Vyhledávací služby

Prohlížečské služby

# Soulad dostupných dat se specifikacemi

Provision of interoperable spatial datasets by aligning them with the common data models.			
MS	Overall implementation status and trend	Outlook	Dashboard Legend
AT	☹️↗️	🟢	<b>Implementation Status:</b> ☺️: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily. ☹️: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020. ☹️: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.  <b>Trend:</b> ↗️: the trend of the implementation is positive. ➡️: the trend of the implementation is neutral. ↘️: the trend of the implementation is negative.  <b>Outlook:</b> 🟢: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way. 🟡: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook. 🔴: no actions have been identified to overcome identified implementation gaps.
BE	☹️↗️	🟢	
BG	☹️↗️	🟡	
HR	☹️➡️	🟡	
CY	☹️↗️	🟢	
CZ	☹️↗️	🟢	
DK	☹️➡️	🟢	
EE	☹️↗️	🟢	
FI	☹️↗️	🟢	
FR	☹️↗️	🟢	
DE	☹️↗️	🟡	
EL	☹️➡️	🟢	
HU	☹️↗️	🟡	
IE	NA	NA	
IT	☹️↗️	🟢	
LV	☹️➡️	🟢	
LT	☹️↗️	🟢	
LU	☹️↗️	🟢	
MT	☹️➡️	🟢	
NL	☹️↗️	🟢	
PL	☹️↗️	🟢	
PT	☹️↗️	🟢	
RO	☹️↗️	🟡	
SK	☹️➡️	🟢	
SI	☹️↗️	🟢	
ES	☹️↗️	🟢	
SE	☹️↗️	🟡	
UK	☹️➡️	NA	

## Hodnocení souladu



Hodnocení souladu zpřístupněných dat s datovými specifikacemi

# Datové specifikace...

**PORTAL geo** | Adresy | Metadata | Dokumenty | Hledat | Email: | Heslo: | PŘÍMÁŘÍ | Zadejte část adresy, názvy lokalit | Registrace | Zapomenuté heslo

VĚTĚTE | MAPY | METADATA | ESHOP | VALIDACE | **INSPIRE** | DOKUMENTY | GEOREPORTY | NÁPOVĚDA

O INSPIRE | TYKÁ SE I VÁS | ČESKÁ LEGISLATIVA | LEGISLATIVA EU | KOVIN | NÁSTROJE EU

### SMĚRNICE INSPIRE

Směrnice INSPIRE byla zveřejněna ve věstníku 25. 4. 2007 a v platnost vstoupila 15. 5. 2007. Vytváří základ pro koordinální mechanismus potřebný k fungování infrastruktury na evropské úrovni.

### METADATA

Černé štítky mají, podle článku 5(1) směrnice INSPIRE, zajišťovat vytvoření metadat pro soubory prostorových dat a služeb podle přílohy I, II a III a tato metadata mají udržovat stále aktuální. Požadavky na vytvoření a udržování těchto metadat jsou popsána v nařízení 1205/2008 a v technických pokynech pro metadata.

### DATA

Datové sady INSPIRE jsou ty, které spadají alespoň do jednoho z 34 témat směrnice INSPIRE. Aby bylo možné kombinovat data a služby z různých členských států, je nutné data harmonizovat. Společné datové modely, číselníky, maticové vstupy a metadata, které mají být použity při výměně prostorových dat, jsou stanovené v nařízení pro interoperabilitu a technických pokynech (datové specifikace). Zatímco nařízení určuje, co musí být implementováno, neuvádějí technické pokyny udávající, jak by implementace měla být naplněna, aby byla zajištěna maximální přeshranění a mezoborová interoperabilita dat. Následující video ve stručnosti představuje datové modely INSPIRE.

Datové modely INSPIRE

The diagram illustrates data models for INSPIRE. It features three blue rounded rectangles labeled 'HEIGHT', 'AGE', and 'USE' on the left. Lines connect these labels to a central illustration of a multi-story building. To the right of the building is a play button icon, and further right is a stylized human figure. Below the building and figure are several horizontal bars of varying lengths and colors (green, yellow, orange, red), representing data layers or attributes.

### NOVINKY

### OKRAJY

- Oficiální evropské stránky INSPIRE**
- INSPIRE Roadmap** pro implementaci směrnice.
- EU geoportál** umožňuje vyhledávání souborů prostorových dat a služeb všech členských států EU v rámci směrnice INSPIRE včetně jejich prohlášení.
- Thematic Clusters** je online platforma pro podporu implementaci INSPIRE v členských státech. Platforma je rozdělena do sérií tematických celků, podle témat INSPIRE, které umožňují poskytovatelům sdílet své zkušenosti, ověřované postupy, šlápl otázky a řešit problémy ve svých tematických oblastech.
- INSPIRE Registry** poskytuje centrální přístupový bod k celé řadě centrálních říjových INSPIRE registrů. Obsah těchto registrů jsou založeny na směrnici INSPIRE, prováděcí pravidla a technické pokyny.
- Find your scope** je aplikace, která umožňuje identifikovat prostorové objekty INSPIRE relevantní pro data, která poskytovatelé spravují. Aplikace je určena zejména pro data poskytovatelé spadají do dvou nebo více témat INSPIRE.
- INSPIRE knihovna** obsahuje nejaktuálnější verze všech INSPIRE dokumentů.

**SOUVISEJÍCÍ AKTIVITY**

OpenGIS



Ensure effective coordination			
MS	Overall implementation status and trend	Outlook	Dashboard Legend
AT			<p><b>Implementation Status:</b></p> <p>: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.</p> <p>: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020.</p> <p>: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.</p> <p><b>Trend:</b></p> <p>: the trend of the implementation is positive.</p> <p>: the trend of the implementation is neutral.</p> <p>: the trend of the implementation is negative.</p> <p><b>Outlook:</b></p> <p>: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way.</p> <p>: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook.</p> <p>: no actions have been identified to overcome identified implementation gaps.</p>
BE			
BG			
HR			
CY			
CZ			
DK			
EE			
FI			
FR			
DE			
EL			
HU			
IE	NA	NA	
IT			
LV			
LT			
LU			
MT			
NL			
PL			
PT			
RO			
SK			
SI			
ES			
SE			
UK		NA	

		Data sharing without obstacles			
MS	Overall implementation status and trend	MS	Overall implementation status and trend	Outlook	Dashboard Legend
AT		AT			<b>Implementation Status:</b> : implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily. : implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020. : implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.  <b>Trend:</b> : the trend of the implementation is positive. : the trend of the implementation is neutral. : the trend of the implementation is negative.  <b>Outlook:</b> : clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way. : No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook. : no actions have been identified to overcome identified implementation gaps.
BE		BE			
BG		BG			
HR		HR			
SV		SV			
CZ		CZ			
DK		DK			
EE		EE			
FI		FI			
FR		FR			
DE		DE			
EL		EL			
HU		HU			
IE	NA	IE	NA	NA	
IT		IT			
LV		LV			
LT		LT			
LU		LU			
MT		MT			
NL		NL			
PL		PL			
PT		PT			
RO		RO			
SK		SK			
SI		SI			
ES		ES			
SE		SE			
UK		UK		NA	

Koordinace

Sdílení dat

Identifikace dat

Data sharing			Identification of spatial datasets			
MS	Overall implementation status and trend	Outlook	MS	Overall implementation status and trend	Outlook	Dashboard Legend
AT	🟢 ↗	🟢	AT	🟢 ↗	🟢	<p><b>Implementation Status:</b></p> <p>🟢: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.</p> <p>🟡: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020.</p> <p>🔴: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.</p> <p><b>Trend:</b></p> <p>↗: the trend of the implementation is positive.</p> <p>→: the trend of the implementation is neutral.</p> <p>↘: the trend of the implementation is negative.</p> <p><b>Outlook:</b></p> <p>🟢: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way.</p> <p>🟡: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook.</p> <p>🔴: no actions have been identified to overcome identified implementation gaps.</p>
BE	🟢 ↗	🟢	BE	🟢 ↗	🟢	
BG	🟡 →	🟡	BG	🟡 ↗	🟡	
HR	🟡 →	🟡	HR	🟡 →	🟡	
CY	🔴 ↘	🔴	CY	🔴 ↘	🔴	
CZ	🟢 ↗	🟢	CZ	🟡 ↘	🟢	
DK	🟢 ↗	🟢	DK	🟢 ↗	🟢	
EE	🟢 ↗	🟢	EE	🟢 ↗	🟢	
FI	🟢 ↗	🟢	FI	🟡 ↗	🟢	
FR	🟢 →	🟢	FR	🟢 →	🟢	
DE	🟢 ↗	🟢	DE	🟢 ↗	🟢	
EL	🟡 →	🟢	EL	🟡 ↘	🟡	
HU	🟡 →	🟡	HU	🟡 →	🟡	
IE	NA	NA	IE	NA	NA	
IT	🟢 ↗	🟢	IT	🟢 ↗	🟢	
LV	🟢 ↗	🟢	LV	🟡 →	🟢	
LT	🟢 ↗	🟢	LT	🟡 ↘	🟢	
LU	🟢 ↗	🟢	LU	🟡 →	🟡	
MT	🟢 ↗	🟢	MT	🟢 ↗	🟡	
NL	🟢 ↗	🟢	NL	🟢 ↗	🟢	
PL	🟢 ↗	🟢	PL	🟢 ↗	🟢	
PT	🟢 ↗	🟢	PT	🟢 ↗	🟢	
RO	🟡 →	🟡	RO	🟡 ↘	🟡	
SK	🟢 ↗	🟢	SK	🟢 ↗	🟢	
SI	🟢 ↗	🟢	SI	🟡 ↘	🟢	
ES	🟢 ↗	🟢	ES	🟢 ↘	🟢	
SE	🟢 ↗	🟢	SE	🟢 ↗	🟢	
UK	🟢 ↗	NA	UK	🟢 ↗	NA	



Koordinace

Sdílení dat

Identifikace dat

Metadata

Overall implementation status and trend			Data sharing			Overall implementation status and trend			Documentation of datasets and services (metadata)			Dashboard Legend
MS	Overall implementation status and trend		MS	Overall implementation status and trend	Outlook	MS	Overall implementation status and trend		MS	Overall implementation status and trend	Outlook	
AT	🟢➔		AT	🟢➔	🟢	AT	🟢➔		AT	🟢➔	🟢	
BE	🟢➔		BE	🟢➔	🟢	BE	🟢➔		BE	🟢➔	🟢	
BG	🟡➔		BG	🟡➔	🟡	BG	🟡➔		BG	🟡➔	🟢	
HR	🟡➔		HR	🟡➔	🟡	HR	🟡➔		HR	🟡➔	🟢	
SV	🔴➔		SV	🔴➔	🔴	SV	🔴➔		SV	🔴➔	🔴	
CZ	🟢➔		CZ	🟡➔	🟢	CZ	🟡➔		CZ	🟢➔	🟢	
DK	🔴➔		DK	🔴➔	🔴	DK	🔴➔		DK	🔴➔	🔴	
EE	🟡➔		EE	🟡➔	🟢	EE	🟡➔		EE	🟡➔	🟢	
FI	🟢➔		FI	🟡➔	🟢	FI	🟡➔		FI	🟡➔	🟢	
FR	🟢➔		FR	🟢➔	🟢	FR	🟢➔		FR	🟢➔	🟢	
DE	🟢➔		DE	🟢➔	🟢	DE	🟢➔		DE	🟢➔	🟢	
EL	🟡➔		EL	🟡➔	🟢	EL	🟡➔		EL	🟡➔	🟢	
HU	🟡➔		HU	🟡➔	🟡	HU	🟡➔		HU	🟡➔	🟢	
IE	NA		IE	NA	NA	IE	NA		IE	NA	NA	
IT	🟡➔		IT	🟡➔	🟢	IT	🟡➔		IT	🟡➔	🟢	
LV	🟢➔		LV	🟢➔	🟢	LV	🟡➔		LV	🟡➔	🟢	
LT	🟢➔		LT	🟢➔	🟢	LT	🟡➔		LT	🟢➔	🟢	
LU	🟢➔		LU	🟢➔	🟢	LU	🟡➔		LU	🟢➔	🟢	
MT	🟢➔		MT	🟢➔	🟢	MT	🟢➔		MT	🟢➔	🟢	
NL	🟢➔		NL	🟢➔	🟢	NL	🟢➔		NL	🟢➔	🟢	
PL	🟢➔		PL	🟢➔	🟢	PL	🟢➔		PL	🟢➔	🟢	
PT	🟢➔		PT	🟢➔	🟢	PT	🟢➔		PT	🟢➔	🟢	
RO	🟡➔		RO	🟡➔	🟡	RO	🟡➔		RO	🟡➔	🟡	
SK	🟢➔		SK	🟡➔	🟢	SK	🟡➔		SK	🟡➔	🟢	
SI	🟢➔		SI	🟡➔	🟢	SI	🟡➔		SI	🟢➔	🟢	
ES	🟢➔		ES	🟢➔	🟢	ES	🟡➔		ES	🟢➔	🟢	
SE	🟢➔		SE	🟢➔	🟢	SE	🟢➔		SE	🟢➔	🟢	
UK	🟢➔		UK	🟢➔	NA	UK	🟢➔		UK	🟢➔	NA	

**Implementation Status:**

🟢: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.

🟡: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020.

🔴: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.

**Trend:**

➔: the trend of the implementation is positive.

➡: the trend of the implementation is neutral.

⬇: the trend of the implementation is negative.

**Outlook:**

🟢: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way.

🟡: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook.

🔴: no actions have been identified to overcome identified implementation gaps.

Koordinace

Sdílení dat

Identifikace dat

Metadata

Služby

				Data sharing			Document			Provision of services for identified spatial datasets (discovery, view, download)			Dashboard Legend
MS	Overall implementation status and trend	MS	Overall implementation status and trend	Outlook	MS	Overall implementation status and trend	MS	Overall implementation status and trend	MS	Overall implementation status and trend	Outlook		
AT	🟢➡	AT	🟢➡	🟢	AT	🟢➡	AT	🟢➡	AT	🟢➡	🟢		
BE	🟢➡	BE	🟢➡	🟢	BE	🟢➡	BE	🟢➡	BE	🟡➡	🟢		
BG	🟡➡	BG	🟡➡	🟡	BG	🟢➡	BG	🟢➡	BG	🟡➡	🟡		
HR	🟡➡	HR	🟡➡	🟡	HR	🟡➡	HR	🟡➡	HR	🟡➡	🟡		
SV	🟢➡	SV	🟢➡	🟢	SV	🟢➡	SV	🟢➡	SV	🟢➡	🟢		
CZ	🟢➡	CZ	🟡➡	🟢	CZ	🟡➡	CZ	🟢➡	CZ	🟢➡	🟢		
DK	🟢➡	DK	🟢➡	🟢	DK	🟢➡	DK	🟢➡	DK	🟢➡	🟢		
EE	🟢➡	EE	🟢➡	🟢	EE	🟢➡	EE	🟢➡	EE	🟡➡	🟢		
FI	🟢➡	FI	🟡➡	🟢	FI	🟡➡	FI	🟡➡	FI	🔴➡	🟢		
FR	🟢➡	FR	🟢➡	🟢	FR	🟢➡	FR	🟢➡	FR	🟢➡	🟡		
DE	🟢➡	DE	🟢➡	🟢	DE	🟢➡	DE	🟢➡	DE	🟢➡	🟢		
EL	🟡➡	EL	🟡➡	🟢	EL	🟡➡	EL	🟡➡	EL	🔴➡	🟢		
HU	🟡➡	HU	🟡➡	🟡	HU	🟡➡	HU	🟡➡	HU	🟡➡	🟢		
IE	NA	IE	NA	NA	IE	NA	IE	NA	IE	NA	NA		
IT	🟢➡	IT	🟡➡	🟢	IT	🟢➡	IT	🟢➡	IT	🟡➡	🟡		
LV	🟢➡	LV	🟢➡	🟢	LV	🟡➡	LV	🟡➡	LV	🔴➡	🟢		
LT	🟢➡	LT	🟢➡	🟢	LT	🟡➡	LT	🟢➡	LT	🟢➡	🟢		
LU	🟢➡	LU	🟢➡	🟢	LU	🟢➡	LU	🟢➡	LU	🟡➡	🟡		
MT	🟢➡	MT	🟢➡	🟢	MT	🟢➡	MT	🟢➡	MT	🟢➡	🟢		
NL	🟢➡	NL	🟢➡	🟢	NL	🟢➡	NL	🟢➡	NL	🟢➡	🟢		
PL	🟢➡	PL	🟢➡	🟢	PL	🟢➡	PL	🟢➡	PL	🟢➡	🟢		
PT	🟢➡	PT	🟢➡	🟢	PT	🟢➡	PT	🟢➡	PT	🔴➡	🟡		
RO	🟡➡	RO	🟡➡	🟡	RO	🟡➡	RO	🟡➡	RO	🟡➡	🟡		
SK	🟢➡	SK	🟢➡	🟢	SK	🟢➡	SK	🟢➡	SK	🟡➡	🟢		
SI	🟢➡	SI	🟢➡	🟢	SI	🟡➡	SI	🟡➡	SI	🟡➡	🟢		
ES	🟢➡	ES	🟢➡	🟢	ES	🟢➡	ES	🟢➡	ES	🔴➡	🟢		
SE	🟢➡	SE	🟢➡	🟢	SE	🟢➡	SE	🟢➡	SE	🟢➡	🟢		
UK	🟢➡	UK	🟢➡	NA	UK	🟢➡	UK	🟢➡	UK	🟢➡	NA		

**Implementation Status:**

- 🟢: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.
- 🟡: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020.
- 🔴: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.

**Trend:**

- ➡: the trend of the implementation is positive.
- ➡: the trend of the implementation is neutral.
- ⬇️: the trend of the implementation is negative.

**Outlook:**

- 🟢: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way.
- 🟡: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook.
- 🔴: no actions have been identified to overcome identified implementation gaps.

Koordinace

Sdílení dat

Identifikace dat

Metadata

Služby

Soulad dat

Koordinace			Sdílení dat			Identifikace dat			Metadata			Služby			Soulad dat			Dashboard Legend
MS	Overall implementation status and trend		MS	Overall implementation status and trend	Outlook	MS	Overall implementation status and trend		MS	Overall implementation status and trend		MS	Overall implementation status and trend	Outlook	MS	Overall implementation status and trend	Outlook	
AT	🟢 ↗		AT	🟢 ↗	🟢	AT	🟢 ↗		AT	🟢 ↗		AT	🟢 ↗	🟢	AT	🟢 ↗	🟢	
BE	🟢 ↗		BE	🟢 ↗	🟢	BE	🟢 ↗		BE	🟢 ↗		BE	🟢 ↗	🟢	BE	🟢 ↗	🟢	
BG	🟡 →		BG	🟡 →	🟡	BG	🟢 ↗		BG	🟢 ↗		BG	🟢 ↗	🟡	BG	🟢 ↗	🟡	
HR	🟢 ↗		HR	🟢 ↗	🟡	HR	🟢 ↗		HR	🟢 ↗		HR	🟢 ↗	🟡	HR	🟢 ↗	🟡	
CZ	🟢 ↗		CZ	🟢 ↗	🟢	CZ	🟢 ↗		CZ	🟢 ↗		CZ	🟢 ↗	🟢	CZ	🟢 ↗	🟢	
DK	🟢 ↗		DK	🟢 ↗	🟢	DK	🟢 ↗		DK	🟢 ↗		DK	🟢 ↗	🟢	DK	🟢 ↗	🟢	
EE	🟢 ↗		EE	🟢 ↗	🟢	EE	🟢 ↗		EE	🟢 ↗		EE	🟢 ↗	🟢	EE	🟢 ↗	🟢	
FI	🟢 ↗		FI	🟢 ↗	🟢	FI	🟢 ↗		FI	🟢 ↗		FI	🟢 ↗	🟢	FI	🟢 ↗	🟢	
FR	🟢 ↗		FR	🟢 ↗	🟢	FR	🟢 ↗		FR	🟢 ↗		FR	🟢 ↗	🟡	FR	🟢 ↗	🟢	
DE	🟢 ↗		DE	🟢 ↗	🟢	DE	🟢 ↗		DE	🟢 ↗		DE	🟢 ↗	🟢	DE	🟢 ↗	🟡	
EL	🟡 →		EL	🟡 →	🟢	EL	🟢 ↗		EL	🟢 ↗		EL	🟢 ↗	🟢	EL	🟢 ↗	🟡	
HU	🟡 →		HU	🟡 →	🟡	HU	🟢 ↗		HU	🟢 ↗		HU	🟢 ↗	🟢	HU	🟢 ↗	🟡	
IE	NA		IE	NA	NA	IE	NA		IE	NA		IE	NA	NA	IE	NA	NA	
IT	🟢 ↗		IT	🟢 ↗	🟢	IT	🟢 ↗		IT	🟢 ↗		IT	🟢 ↗	🟡	IT	🟢 ↗	🟢	
LV	🟢 ↗		LV	🟢 ↗	🟢	LV	🟢 ↗		LV	🟢 ↗		LV	🟢 ↗	🟢	LV	🟢 ↗	🟢	
LT	🟢 ↗		LT	🟢 ↗	🟢	LT	🟢 ↗		LT	🟢 ↗		LT	🟢 ↗	🟢	LT	🟢 ↗	🟢	
LU	🟢 ↗		LU	🟢 ↗	🟢	LU	🟢 ↗		LU	🟢 ↗		LU	🟢 ↗	🟡	LU	🟢 ↗	🟢	
MT	🟢 ↗		MT	🟢 ↗	🟢	MT	🟢 ↗		MT	🟢 ↗		MT	🟢 ↗	🟢	MT	🟢 ↗	🟢	
NL	🟢 ↗		NL	🟢 ↗	🟢	NL	🟢 ↗		NL	🟢 ↗		NL	🟢 ↗	🟢	NL	🟢 ↗	🟢	
PL	🟢 ↗		PL	🟢 ↗	🟢	PL	🟢 ↗		PL	🟢 ↗		PL	🟢 ↗	🟢	PL	🟢 ↗	🟢	
PT	🟢 ↗		PT	🟢 ↗	🟢	PT	🟢 ↗		PT	🟢 ↗		PT	🟢 ↗	🟡	PT	🟢 ↗	🟢	
RO	🟡 →		RO	🟡 →	🟡	RO	🟢 ↗		RO	🟢 ↗		RO	🟢 ↗	🟡	RO	🟢 ↗	🟡	
SK	🟢 ↗		SK	🟢 ↗	🟢	SK	🟢 ↗		SK	🟢 ↗		SK	🟢 ↗	🟢	SK	🟢 ↗	🟢	
SI	🟢 ↗		SI	🟢 ↗	🟢	SI	🟢 ↗		SI	🟢 ↗		SI	🟢 ↗	🟢	SI	🟢 ↗	🟢	
ES	🟢 ↗		ES	🟢 ↗	🟢	ES	🟢 ↗		ES	🟢 ↗		ES	🟢 ↗	🟢	ES	🟢 ↗	🟢	
SE	🟢 ↗		SE	🟢 ↗	🟢	SE	🟢 ↗		SE	🟢 ↗		SE	🟢 ↗	🟢	SE	🟢 ↗	🟡	
UK	🟢 ↗		UK	🟢 ↗	NA	UK	🟢 ↗		UK	🟢 ↗		UK	🟢 ↗	NA	UK	🟢 ↗	NA	

**Implementation Status:**

- 🟢: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.
- 🟡: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020.
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**Trend:**

- ↗: the trend of the implementation is positive.
- : the trend of the implementation is neutral.
- ↘: the trend of the implementation is negative.

**Outlook:**

- 🟢: clear and targeted actions have been identified which allow reaching the objectives of the legislation in an effective way.
- 🟡: No real progress has been made in the recent past or actions which have been identified are not clear and targeted enough to predict a more positive outlook.
- 🔴: no actions have been identified to overcome identified implementation gaps.

Koordinace

Sdílení dat

Identifikace dat

Metadata

Služby

Soulad dat

Data sharing			Document			Provision of services for identification			Provision of interoperable spatial datasets by aligning them with the common data models.			Dashboard Legend
MS	Overall implementation status and trend	Outlook	MS	Overall implementation status and trend	Outlook	MS	Overall implementation status and trend	Outlook	MS	Overall implementation status and trend	Outlook	
AT	🟢➔	🟢	AT	🟢➔	🟢	AT	🟢➔	🟢	AT	🟢➔	🟢	<p><b>Implementation Status:</b></p> <p>🟢: implementation of this provision is well advanced or (nearly) completed. Outstanding issues are minor and can be addressed easily.</p> <p>🟡: implementation of this provision has started and made some progress but is still far from being complete. Outstanding issues are significant and need to be addressed to ensure that the objectives of the legislation can still be reached by 2020.</p> <p>🔴: implementation of this provision is falling significantly behind or has not even started. Serious efforts are necessary to close implementation gap.</p> <p><b>Trend:</b></p> <p>➔: the trend of the implementation is positive.</p> <p>→: the trend of the implementation is neutral.</p> <p>↘: the trend of the implementation is negative.</p> <p><b>Outlook</b></p> <p>🟢: clear progress, allow reaching the objective.</p> <p>🟡: No progress, actions will not be enough to reach the objective.</p> <p>🔴: no progress, implementation not identified.</p> <p>🟢😊: identified which allow reaching the objective in a timely and targeted manner.</p> <p>🟡😐: not identified.</p> <p>🔴😐: not identified.</p>
BE	🟢➔	🟢	BE	🟢➔	🟢	BE	🟡➔	🟢	BE	🟢➔	🟢	
BG	🟡➔	🟡	BG	🟡➔	🟡	BG	🟡➔	🟡	BG	🟢➔	🟡	
HR	🟡➔	🟡	HR	🟡➔	🟡	HR	🟡➔	🟡	HR	🟢➔	🟡	
SV	🟢➔	🟢	SV	🟢➔	🟢	SV	🟢➔	🟢	SV	🟢➔	🟢	
CZ	🟢➔	🟢	CZ	🟢➔	🟢	CZ	🟢➔	🟢	CZ	🟢➔	🟢	
DK	🟢➔	🟢	DK	🟢➔	🟢	DK	🟢➔	🟢	DK	🟢➔	🟢	
EE	🟢➔	🟢	EE	🟢➔	🟢	EE	🟡➔	🟢	EE	🟢➔	🟢	
FI	🟢➔	🟢	FI	🟡➔	🟡	FI	🟡➔	🟢	FI	🟢➔	🟢	
FR	🟢➔	🟢	FR	🟢➔	🟢	FR	🟢➔	🟡	FR	🟢➔	🟢	
DE	🟢➔	🟢	DE	🟢➔	🟢	DE	🟢➔	🟢	DE	🟢➔	🟢	
EL	🟡➔	🟢	EL	🟡➔	🟡	EL	🔴➔	🟢	EL	🟢➔	🟡	
HU	🟡➔	🟡	HU	🟡➔	🟡	HU	🟡➔	🟢	HU	🟢➔	🟡	
IE	NA	NA	IE	NA	NA	IE	NA	NA	IE	NA	NA	
IT	🟢➔	🟢	IT	🟢➔	🟢	IT	🟢➔	🟡	IT	🟢➔	🟢	
LV	🟢➔	🟢	LV	🟡➔	🟡	LV	🔴➔	🟢	LV	🟢➔	🟢	
LT	🟢➔	🟢	LT	🟡➔	🟡	LT	🟢➔	🟢	LT	🟢➔	🟢	
LU	🟢➔	🟢	LU	🟡➔	🟡	LU	🟡➔	🟡	LU	🟢➔	🟢	
MT	🟢➔	🟢	MT	🟢➔	🟢	MT	🟢➔	🟢	MT	🟢➔	🟢	
NL	🟢➔	🟢	NL	🟢➔	🟢	NL	🟢➔	🟢	NL	🟢➔	🟢	
PL	🟢➔	🟢	PL	🟢➔	🟢	PL	🟢➔	🟢	PL	🟢➔	🟢	
PT	🟢➔	🟢	PT	🟢➔	🟢	PT	🔴➔	🟡	PT	🟢➔	🟢	
RO	🟡➔	🟡	RO	🟡➔	🟡	RO	🟡➔	🟡	RO	🟢➔	🟡	
SK	🟢➔	🟢	SK	🟢➔	🟢	SK	🟡➔	🟢	SK	🟢➔	🟢	
SI	🟢➔	🟢	SI	🟡➔	🟡	SI	🟡➔	🟢	SI	🟢➔	🟢	
ES	🟢➔	🟢	ES	🟢➔	🟢	ES	🔴➔	🟢	ES	🟢➔	🟢	
SE	🟢➔	🟢	SE	🟢➔	🟢	SE	🔴➔	🟢	SE	🟢➔	🟡	
UK	🟢➔	NA	UK	🟢➔	🟢	UK	🟢➔	NA	UK	🟢➔	NA	

# Děkuji za pozornost

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 **čtvrtek 9. listopadu**  
**SEVERNÍ SÁL**

**9.30–10.50 Rastrový GIS a DPZ**

9.30 **Snímky, mražna bodů, multispektrální analýzy a ENVI**  
Inka Tesařová; ARCDATA PRAHA, s.r.o.

10.10 **Geoinformatika jako nástroj pro management zemědělských podniků**  
Jitka Kumbálová, Petr Novák, Marie Wohlmuthová  
Česká zemědělská univerzita v Praze, Technická fakulta  
Mikuláš Maďaras  
Výzkumný ústav rostlinné výroby, v.v.i., Odbor systémů hospodaření na půdě, Výzkumný tým Zemědělská pedologie a pedobiologie

10.30 **Využití ENVI Crop Science modulu v precizním zemědělství**  
Jan Lukáš; Výzkumný ústav rostlinné výroby, v.v.i.

**10.50–11.20 PŘESTÁVKA**

**11.20–12.40 INSPIRE**

11.20 **Průběh plnění povinností povinného poskytovatele**  
Jan Votrubeč; Agentura ochrany přírody a krajiny České republiky

11.40 **INSPIRE a kulturní dědictví**  
Šimon Eismann; Národní památkový ústav

11.55 **Národní rozšíření INSPIRE pro téma Parcely**  
Petr Souček, Michal Med; Český úřad zeměměřický a katastrální

12.10 **INSPIRE a Územní plánování v ČR**  
Vladimír Voldřich; Ministerstvo pro místní rozvoj

12.25 **K čemu je nám INSPIRE pro hlukové mapování**  
Pavel Junek; Zdravotní ústav se sídlem v Ostravě

**12.40–13.20 OBČERSTVENÍ**

